



Office of the Mayor-President

Purchasing Division
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Kris R. Goranson
Director of Purchasing

ADDENDUM NO. 1

April 19, 2022

Your reference is directed to: **File Number: 22-02667**

Solicitation Number: **Drones and Accessories**

Scheduled to open: **April 26, 2022**

The following changes are to be made to the referenced solicitation:

PRICING Page 1 of 2, Page 9, ITEM 0001 DRONE (Model: Matrice 300TRK Drone or Approved Equal) per Specifications has been replaced with ITEM 0001 DRONE (Model: Matrice 300 RTK Combo Drone or Approved Equal) per Specifications

PRICING Page 1 of 2, Page 9, ITEM 0003 SMART REMOTE CONTROLLER PLUS (Model: DJI MATRICE 30 or Approved Equal) per Specifications has been replaced with ITEM 0003 CONTROLLER (Model: DJI RC PLUS or Approved Equal) per Specifications

PRICING Page 1 of 2, Page 9, has been replaced with PRICING Page 1 of 2, Page 9 (Revised)

PRICING Page 2 of 2, Page 10, has been replaced with PRICING Page 2 of 2, Page 10 (Revised)

SPECIFICATIONS Page 11, 12, 13, 14, 15 and 16 ITEM 0001 DRONE (Model: Matrice 300TRK Drone or Approved Equal) per Specifications has been replaced with ITEM 0001 DRONE (Model: Matrice 300 RTK Combo Drone or Approved Equal) per Specifications

SPECIFICATIONS Pages 11, 12, 13, 14, 15, and 16 has been replaced with SPECIFICATIONS, Page 11 (Revised), Page 12 (Revised), Page 13 (Revised), Page 14 (Revised), Page 15 (Revised), and Page 16 (Revised)

SPECIFICATIONS Page 19, ITEM 0003 SMART REMOTE CONTROLLER PLUS (Model: DJI MATRICE 30 or Approved Equal) per Specifications has been replaced with ITEM 0003 CONTROLLER (Model: DJI RC PLUS or Approved Equal) per Specifications

SPECIFICATIONS Page 19, has been replaced with SPECIFICATIONS, Page 19 (Revised)

This addendum is hereby officially made a part of the referenced solicitation and should be attached to the bidder's proposal or otherwise acknowledged therein.

If you have already submitted your proposal and this addendum causes you to revise your original bid, please indicate changes herein and return to Purchasing prior to bid opening in an envelope marked with the file number, bid opening date, and time. If this addendum does not cause you to revise your bid, please acknowledge receipt of the addendum by signing your name and company below and returning it in accordance with the provisions above.

cc: Bid File 22-02667

dsstewart@brla.gov
225-389-3259 x 3264

Signature

Date

Company

PRICING

Page 1 of 2

The brand and model used in this specification is used only to denote the general style, type, character and quality standard of the supplies requested. Please note the brand and model that you are bidding in the designated spaces provided. If bidding other than specified, sufficient information should be enclosed with the bid to in order to determine quality, suitability, compatibility and compliance with the specifications.

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL
0001	DRONE (Model: Matrice 300 RTK Combo Drone or Approved Equal) per Specifications BRAND / MODEL BID: _____	1	Each	\$_____	\$_____
0002	CAMERA (Model: DJI Zenmuse H20N Camera or Approved Equal) per Specifications BRAND / MODEL BID: _____	1	Each	\$_____	\$_____
0003	CONTROLLER (Model: DJI RC PLUS or Approved Equal) per Specifications BRAND / MODEL BID: _____	3	Each	\$_____	\$_____
0004	RADAR (Model: DJI Matrice 300 RTK CSM Radar / SKU: S-DJI-M300-CSMR or Approved Equal) per Specifications BRAND / MODEL BID: _____	1	Each	\$_____	\$_____
0005	SPOTLIGHT (Model: CZI GL60 Plus Spotlight for Matrice 300 or Approved Equal) per Specifications BRAND / MODEL BID: BRAND / MODEL BID: _____	2	Each	\$_____	\$_____

PRICING


Page 2 of 2

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ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL
0006	COMPREHENSIVE PROTECTION PLUS(Model: DJI Care Enterprise for Matrice 300 AND ZENMUSE H20NComponents or Approved Equal) per Specifications BRAND / MODEL BID: _____	1	Each	\$_____	\$_____
0007	CASE (Model: Unmanned Vehicle Technologies for Matrice 300 Components or Approved Equal) per Specifications BRAND / MODEL BID: _____	1	Each	\$_____	\$_____
0008	INTELLIGENT FLIGHT BATTERY (Model: Matrice 300 Series TB60 or Approved Equal) BRAND / MODEL BID: _____	18	Each	\$_____	\$_____
0009	INTELLIGENT BATTERY STATION (Model: Matrice 300 Series BS60 or Approved Equal) BRAND / MODEL BID: _____	1	Each	\$_____	\$_____
0010	EXTERNAL INTELLIGENT BATTERY (Model: WB37 or Approved Equal) per Specifications BRAND / MODEL BID: _____	6	Each	\$_____	\$_____
0011	FOLDING PROPELLER PAIR (Model DJI Matrice 300 2110 or Approved Equal) per Specifications BRAND / MODEL BID: _____	8	Each	\$_____	\$_____
TOTAL					\$_____

SPECIFICATIONS

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ITEM	DESCRIPTION	Meets Specifications		DEVIATION (if applicable)
		Yes	No	
0001	ITEM 0001 DRONE (Model: Matrice 300 RTK Combo Drone or Approved Equal)			
 <p>BRAND / MODEL BID:</p>				
AIRCRAFT <ul style="list-style-type: none"> Dimensions <ul style="list-style-type: none"> Unfolded, propellers excluded, 810x670x430 mm (LxWxH) Folded, propellers included, 430x420x430 mm (LxWxH) Diagonal Wheelbase <ul style="list-style-type: none"> 95 mm Weight (with single downward gimbal) <ul style="list-style-type: none"> Approx. 3.6 kg (without batteries) Approx. 6.3 kg (with two TB60 batteries) Single Gimbal Damper's Max Payload <ul style="list-style-type: none"> 930g Max Takeoff Weight <ul style="list-style-type: none"> 9 kg Operating Frequency <ul style="list-style-type: none"> 2.4000-2.4835 GHz 5.725-5.850 GHz EIRP <ul style="list-style-type: none"> 2.4000-2.4835 GHz: <ul style="list-style-type: none"> 29.5 dBm (FCC); 18.5dBm (CE); 18.5 dBm (SRRC); 18.5dBm (MIC); 5.725-5.850 GHz:: 28.5 dBm (FCC); 12.5dBm (CE); 28.5 dBm (SRRC) Hovering Accuracy (P-mode with GPS) <ul style="list-style-type: none"> Vertical: <ul style="list-style-type: none"> ±0.1 m (Vision System enabled) ±0.5 m (GPS enabled) ±0.1 m (RTK enabled) Horizontal: <ul style="list-style-type: none"> ±0.3 m (Vision System enabled) ±1.5 m (GPS enabled) ±0.1 m (RTK enabled) 				

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		Yes	No	
0001 (continued)	ITEM 0001 DRONE (Model: Matrice 300 RTK Combo Drone or Approved Equal)			
AIRCRAFT (continued) <ul style="list-style-type: none"> RTK Positioning Accuracy When RTK enabled and fixed: 1 cm+1 ppm (Horizontal) 1.5 cm + 1 ppm (Vertical) Max Angular Velocity Pitch: 300°/s, Yaw: 100°/s Max Pitch Angle 30° (P-mode, Forward Vision System enabled: 25°) Max Ascent Speed S mode: 6 m/s P mode : 5 m/s Max Descent Speed (vertical) S mode: 5 m/s P mode : 4 m/s Max Descent Speed (tilt) S Mode: 7 m/s Max Speed S mode: 23 m/s P mode : 17 m/s Service Ceiling Above Sea Level 5000 m (with 2110 propellers, takeoff weight ≤ 7 kg) / 7000 m (with 2195 propellers, takeoff weight ≤ 7 kg) Max Wind Resistance 15 m/s (12 m/s when taking off or landing) Max Flight Time 55 min Supported DJI Gimbals Zenmuse XT2/XT S/Z30/H20/H20T/DJI P1/DJI L1 Supported Gimbal Configurations Single Downward Gimbal, Dual Downward Gimbals, Single Upward Gimbal, Upward and Downward Gimbals, Triple Gimbals Ingress Protection Rating IP45 GNSS GPS+GLONASS+BeiDou+Galileo Operating Temperature 20°C to 50°C (-4°F to 122° F) 				

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		Yes	No	
0001 (continued)	ITEM 0001 DRONE (Model: Matrice 300 RTK Combo Drone or Approved Equal)			
REMOTE CONTROLLER <ul style="list-style-type: none"> Operating Frequency 2.4000-2.4835 GHz 5.725-5.850 GHz Max Transmitting Distance (unobstructed, free of interference) NCC/FCC: 15 km CE/MIC: 8 km SRRC: 8 km EIRP 2.4000-2.4835 GHz: 29.5 dBm (FCC) 18.5dBm (CE) 18.5 dBm (SRRC); 18.5dBm (MIC) 5.725-5.850 GHz: 28.5 dBm (FCC); 12.5dBm (CE) 20.5 dBm (SRRC) External battery Name: WB37 Intelligent Battery Capacity: 4920 mAh Voltage: 7.6V Type: LiPo Energy: 37.39Wh Charging time (using BS60 Intelligent Battery Station): 70 minutes (15°C to 45°C); 130 minutes (0°C to 15°C) Built-in battery Type: 18650 lithium ion battery (5000 mAh @ 7.2 V) Charging: Use a USB charger with specification of 12V / 2A Rated power: 17 W Charging time: 2 hours and 15 minutes (Using a USB charger with specification of 12V / 2A) Battery Life Built-in battery: Approx. 2.5h Built-in battery+External battery: Approx. 4.5h USB Power Supply 5 V / 1.5 A Operating Temperature -20°C to 40°C (-4 °F to 104 °F) 				

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ITEM	DESCRIPTION	Meets Specifications		DEVIATION (if applicable)
0001 (continued)	ITEM 0001 DRONE (Model: Matrice 300 RTK Combo Drone or Approved Equal)	Yes	No	
<u>VISION SYSTEM</u> <ul style="list-style-type: none">Obstacle Sensing Range Forward/Backward/Left/Right: 0.7-40m Upward/Downward: 0.6-30mFOV Forward/Backward/Downward: 65° (H), 50° (V) Left/Right/Upward: 75°(H), 60°(V)Operating Environment Surfaces with clear patterns and adequate lighting (> 15 lux) <u>INFRARED ToF SENSING SYSTEM</u> <ul style="list-style-type: none">Obstacle Sensing Range 0.1-8mFOV 30° (±15°)Operating Environment Large, diffuse and reflective obstacles (reflectivity >10%)				

L	DESCRIPTION	Meets Specifications		DEVIATION (if applicable)
		Yes	No	
0001 (continued)	ITEM 0001 DRONE (Model: Matrice 300 RTK Combo Drone or Approved Equal)			
<u>TOP AND BOTTOM AUXILIARY LIGHT</u> <ul style="list-style-type: none"> Effective lighting distance 5 m 				
<u>FPV CAMERA</u> <ul style="list-style-type: none"> Resolution 960p FOV 145° Frame rate 30 fps 				
<u>INTELLIGENT FLIGHT BATTERY</u> <ul style="list-style-type: none"> Capacity 5935 mAh Voltage 52.8 V Battery Type LiPo 12S Energy 74 Wh Net Weight Approx. 1.35 kg Operating Temperature -4°F to 122°F (-20°C to 50°C) Ideal storage temperature 71.6°F to 86°F (22°C to 30°C) Charging Temperature -4°F to 104°F (-20°C to 40°C) (When the temperature is lower than 5°C, the self-heating function will be automatically enabled. Charging in a low temperature may shorten the lifetime of the battery) Charging time Using BS60 Intelligent Battery Station: 220V input: 60 minutes (fully charging two TB60 batteries), 30 minutes (charging two TB60 batteries from 20% to 90%) 110V input: 70 minutes (fully charging two B60 batteries), 40 minutes (charging two TB60 batteries from 20% to 90%) 				

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		Yes	No	
0001 (continued)	ITEM 0001 DRONE (Model: Matrice 300 RTK Combo Drone or Approved Equal)			
<u>BS60 INTELLIGENT BATTERY STATION</u> <ul style="list-style-type: none"> Dimensions 501*403*252mm Net Weight 8.37kg Maximum Capacity TB60 Intelligent Flight Battery x 8 WB37 Intelligent Battery x 4 Input 100-120 VAC, 50-60 Hz / 220-240 VAC, 50-60 Hz Max. Input Power 1070W Output Power 100-120 V: 750 W 220-240 V: 992 W Operating Temperature -4°F to 104°F (-20°C to 40°C) 				

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ITEM	DESCRIPTION	Meets Specifications		DEVIATION (if applicable)
		Yes	No	
0003	CONTROLLER (Model: DJI RC PLUS or Approved Equal)			
<p>BRAND / MODEL BID:</p> <hr/> <p><u>Screen</u></p> <ul style="list-style-type: none"> • 7.02 inch LCD touchscreen, with a resolution of 1920×1200 pixels, and high brightness of 1200 cd/m² <p><u>Internal Battery</u></p> <ul style="list-style-type: none"> • Type: Li-ion (6500 mAh @ 7.2 V) • Charge Type: Supports battery station or USB-C charger maximum rated power 65W (max voltage of 20V) • Charge Time: 2 hours • Chemical System: LiNiCoAlO2 <p><u>External Battery(WB37 Intelligent Battery)</u></p> <ul style="list-style-type: none"> • Capacity: 4920 mAh • Voltage: 7.6 V • Battery Type: Li-ion • Energy: 37.39 Wh • Chemical System: LiCoO2 <p><u>Operating Time</u>^[5]</p> <ul style="list-style-type: none"> • Internal Battery: Approx. 3 hours 18 min • Internal Battery + External Battery: Approx. 6 hours <p><u>Ingress Protection Rating</u>^[3]</p> <ul style="list-style-type: none"> • IP54 <p><u>GNSS</u></p> <ul style="list-style-type: none"> • GPS+Galileo+BeiDou <p><u>Operating Temperature</u></p> <ul style="list-style-type: none"> • -20° to 50° C (-4° to 122° F) 				